

**SCBM 498 Seminar in Biomedical Sciences**  
**1<sup>st</sup> Semester, Academic Year 2018**

**Department of Pathobiology**  
**Faculty of Science, Mahidol University**

## Course Syllabus

(Lecture-Lab-Self-study)

### SCBM 498 Seminar in Biomedical Sciences

1(1-0-2)

The techniques and procedures for the effective oral and poster presentations. Discussion and generation of ideas on issues related to a variety of biomedical research. In the seminar, the students are given an opportunity to integrate their knowledge, skills and practical experience gained in the course.

<b>Pre requisite</b>	None
<b>Type of Course</b>	Required course
<b>Session</b>	1 <sup>st</sup> Semester
<b>Course Conditions</b>	Class size: None

### Course Objectives

At the completion of the course, students should be able to:

1. Make oral and poster presentation
2. Participate in presentation conference of other students as audience, discuss and ask questions regarding research presented.

### Course Outline

Week	Topic	Hours		Teaching methods/ multimedia	Instructors
		In-class activity	Lab		
1.	Course Orientation, Guidelines for an effective scientific oral presentation	3	0	Lecture and Discussion	YN
2.	Improvement skill for poster presentation	3	0	Lecture and Discussion	YN
3.	Meeting with seminar advisor	3	0	Discussion and Practice	Staffs
4.	Biomedical Science Conference	6	0	Presentation and Discuss	Staffs
	<b>Total</b>	<b>15</b>	<b>0</b>		

### Teaching methods

1. Lectures and discussion in class 9 hours.
2. Presentation and discussion in class 6 hours.
3. Students analyze and synthesize information from their senior projects and prepare for the presentation for 30 hours.

### **Teaching Media**

1. Class handouts, Powerpoint presentation, e-learning online

### **Measurement and Evaluation of Students Achievement**

1. Class attendance 5%
2. Job responsibility 15%
3. Oral Presentation 40%
4. Poster Presentation 40%
5. Student Examination Grade = A, B+, B, C+, C, D+, D, F

### **Course Evaluation**

1. Students gain knowledge according to the course objectives.
2. Students give presentaion and discussion in conference.
3. Evaluate students' satisfaction towards teaching and learning of the course using a questionnaire.
4. The lecturer will be notified with the result of the course evaluation from students to further improve the lecturing process.

### **Instructors**

1. YN = Yaowarin Nakornpakdee
2. Senior project advisors

**Coordinator** Lect.Dr. Yaowarin Nakornpakdee

Department of Pathobiology, Faculty of Science, Mahidol University

Tel: 02-201-5578 E-mail: yaowarin.nak@mahidol.ac.th

## Lesson Plan

1. Topic	Course introduction
2. Name Lecturer	Dr. Yaowarin Nakornpakdee
Education	Ph.D. (Medical Microbiology)
Position	Lecturer
Contact	02-201-5578, Email: yaowarin-arin@hotmail.com
3. Course	SCBM 498 Seminar in Biomedical Sciences 1(1-0-2)
4. Programme Title	B.Sc. in Biomedical Science
5. Date and Time	October 31, 2018 at 09:00-12:00
6. Topic Objective	At the completion of this unit the student will be able to
	1. Clearly understand how to evaluate in seminar
7. Topic Detail	
	1. How to evaluation in seminar
8. Learning Methods	Lecture and discussion
9. Teaching Media	Power point presentation, e-Learning online and handout
10. Teaching Equipment	Computer and LCD
11. Examination and Evaluation	Group discussion
12. Date of Improvement	October 15, 2018

## Lesson Plan

1. Topic	Guidelines for an effective scientific presentation
2. Name Lecturer	Dr. Yaowarin Nakornpakdee
Education	Ph.D. (Medical Microbiology)
Position	Lecturer
Contact	02-201-5578, Email: yaowarin-arin@hotmail.com
3. Course	SCBM 498 Seminar in Biomedical Sciences 1(1-0-2)
4. Programme Title	B.Sc. in Biomedical Science
5. Date and Time	October 31, 2018 at 09:00-12:00
6. Topic Objective	At the completion of this unit the student will be able to
	<ol style="list-style-type: none"> <li>1. How to prepare the power point for oral presentation</li> <li>2. Effective scientific presentation</li> </ol>
7. Topic Detail	
	<ol style="list-style-type: none"> <li>1. A scientific power point for oral presentation</li> <li>2. Effective scientific presentation</li> </ol>
8. Learning Methods	Lecture and Group discussion
9. Teaching Media	Power point presentation, e-Learning online and handout
10. Teaching Equipment	Computer, Internet and LCD
11. Examination and Evaluation	Group discussion
12. Date of Improvement	October 15, 2018

## Lesson Plan

1. Topic	Improvement skill for poster presentation
2. Name Lecturer	Dr. Yaowarin Nakornpakdee
Education	Ph.D. (Medical Microbiology)
Position	Lecturer
Contact	02-201-5578, Email: yaowarin-arin@hotmail.com
3. Course	SCBM 498 Seminar in Biomedical Sciences 1(1-0-2)
4. Programme Title	B.Sc. in Biomedical Science
5. Date and Time	November 16, 2018 at 09:00-12:00
6. Topic Objective	At the completion of this unit the student will be able to
	<ul style="list-style-type: none"> <li>3. How to prepare the poster for poster presentation</li> <li>4. Effective scientific presentation</li> </ul>
7. Topic Detail	
	<ul style="list-style-type: none"> <li>3. A scientific poster for poster presentation</li> <li>4. Effective scientific presentation</li> </ul>
8. Learning Methods	Lecture and Group discussion
9. Teaching Media	Power point presentation, e-Learning online and handout
10. Teaching Equipment	Computer, Internet and LCD
11. Examination and Evaluation	Group discussion
12. Date of Improvement	October 15, 2018

## Lesson Plan

1. Topic	Biomedical Science Conference
2. Name Lecturer Education Position Contact	All instructors
3. Course	SCBM 498 Seminar in Biomedical Sciences 1(1-0-2)
4. Programme Title	B.Sc. in Biomedical Science
5. Date and Time	December 21, 2018 at 09:00-16:00
6. Topic Objective	At the completion of this unit the student will be able to <ol style="list-style-type: none"> <li>1. Analyze rational, hypothesis, objective, methodology, result, discussion and conclusion of senior project</li> <li>2. Effective scientific presentation by using the senior projects as model</li> <li>3. Participate in presentation conference of other students as audience, discuss and ask questions regarding research presented.</li> </ol>
7. Topic Detail	<ol style="list-style-type: none"> <li>1. Rational, hypothesis, objective, methodology, result, discussion and conclusion of original articles</li> </ol>
8. Learning Methods	Presentation and discussion
9. Teaching Media	Power point presentation and poster presentation
10. Teaching Equipment	Computer, poster, and LCD
11. Examination and Evaluation	Presentation and discussion
12. Date of Improvement	October 15, 2018